

## A) Bacterial D.

## Abortion in sheep

المسكشنة الزئبقية

	Causative agent	Transmission	Time of abortion	Sign & p.m.
1) listeriosis	<i>L. monocytogenes</i>	ingestion	1 <sup>st</sup> 12 w.	a) dam - Fever - septicaemia - abortion - metritis retained placenta b) Fetus - Yellow necrotic foci in liver - mucopurium → yellow to orange
2) brucellosis	<i>B. ovis</i> <i>B. melitensis</i>	ingestion	Late stage "lost 3-4 m."	in ox - storm of abortion / endo metritis / Retention placenta, Fever, diarrhoea in ox - orchitis, epididymitis & Arthritis Fetus - sign of pneumonia
3) campylobacter	<i>C. jejuni</i> <i>C. fetus</i>	ingestion	Lost 8 w. of pregnancy	ewe → metritis Fetus → long necrotic foci in liver
4) salmonellosis	<i>S. typhimurium</i> <i>S. dublin</i> <i>S. abortus</i>	ingestion	lost 4-6 w.	<input checked="" type="checkbox"/> <i>S. typhimurium</i> & <i>dublin</i> - abortion septicaemia - Fever - anuria - death - If no abortion → lamb has scouring - patchy haemo. sub. mucosal "p.m." <input checked="" type="checkbox"/> in <i>S. abortus</i> - Just abortion No septicaemia
5) chlamydia "enzootic abortion"	<i>Ch. psittacus</i>	~	lost 2-3 w.	No sign other abortion in ewe * Neonatal mortality * Cotyledon → degenerative changes

## B) viral D.

	Causative agent	Transmission	Time of abortion	signs & p.m
1) BVE "infectious hepatitis"	Arbo virus ↓ phelbo v. "genus" ↓ Bunyavaridae "family"	insect born D.	at any stage "i.e. present in fetal circulation"	1- in all species produce abortion 2- mortality "death" in all young D. 3- worker → Influenza like symptoms 4- in Fetuses → necrotic hepatic
2) border D.	pestivirus Flaviviridae family	ingestion	in all time "mostly in early stage"	dams - normal parameter only brownish staining p.m → placentitis

## C) parasitic D.

1- Toxoplasmosis	T. gondii	Ingestion	Last month	* Abortion * neonatal mortality * metritis * endometritis * placentitis * Cotyledon swelling contain grey foci "1-2 mm" * Fetal brain - chalky areas of necrosis in white matter of cerebrum.
2) Q. Fever	Coxiella burnetii	ingestion & inhalation	late stage of pregnancy	* No sign of illness and am * inter cotyledon necrosis ]- p.m * placentitis

\* 2nd year class \*

A.T

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